

C L A I M S

1. A variable height and multiple position batch blender assembly comprising:

(a) a batch blender being movably mounted within a lifting assembly;

5 (b) the batch blender having a cover and a receiver; and

(c) the batch blender having a filling means and a discharge means;

(d) the batch blender being placed in a low position for filling purposes; and

10 (e) the batch blender being placed in a high position for discharge purposes.

2. The blender assembly of Claim 1 further comprising:

(a) the lifting assembly supporting the batch blender;

(b) the batch blender having an agitating means mounted in the receiver;

5 (c) the agitator having at least one tool secured thereto; and

(d) the receiver having a discharge mechanism mounted therein.

3. The blender assembly of Claim 2 further comprising:

(a) the cover closing the receiver;

(b) the cover being releasable in order to fill the receiver; and

5 (c) the lifting assembly supporting the receiver.

4. The blender assembly of Claim 3 further comprising:

(a) the discharge means being closeable for filling the receiver;

(b) the cover being sealable in relation to the receiver in order to close the receiver; and

(c) the lifting assembly supporting the receiver.

5. The blender assembly of Claim 4 further comprising:

(a) the discharge means being positioned in a bottom portion of the receiver;

(b) the cover closing a top portion of the receiver; and

(c) the agitating having at least one mixing tool releasably secured thereto.

6. The blender assembly of Claim 5 further comprising:

(a) the lifting assembly including a first side arm and a second side arm;

(b) the first side arm supporting the receiver at a first receiver side;

(c) the second side arm supporting the receiver at a second receiver side; and

(d) a top cross member supporting the first side arm relative to the second side arm.

7. The blender assembly of Claim 6 further comprising:

(a) the lifting assembly including a first lifting assembly mounted in the first side arm;

5 (b) the lifting assembly including a second lifting assembly mounted in the second side arm;

(c) the first lifting assembly being secured to the first receiver side;

(d) the second lifting assembly being secured to the second receiver side; and

10 (e) the first lifting assembly cooperating with the second lifting assembly in order to raise or lower the blender as desired.

8. The blender assembly of Claim 7 further comprising:

(a) the first lifting assembly being a first hydraulic lifting assembly;

5 (b) the second lifting assembly being a second hydraulic lifting assembly;

(c) the first side arm being substantially parallel to the second side arm;

(d) the first side arm and the second side arm having the blender mounted therebetween;

10 (e) the first side arm and the second side arm being secured to a floor at a base end thereof;

(f) the top cross member being oppositely disposed from the floor.

9. The blender assembly of Claim 8 further comprising:

(a) the receiver having an arcuate base;

(b) the discharge means being a closeable discharge chute;

5 (c) the closeable discharge chute being in the arcuate base;

(d) the closeable discharge chute being closed during a filling process or a blending process;

10 (e) the closeable discharge chute being opened in order to remove a product from the blender; and

(f) the closeable discharge chute being adapted to place the product in a container.

10. A method of forming a product in a batch blender, the method requiring minimal lifting, the method comprising:

(a) providing a blender mounted in a lifting assembly;

(b) positioning the blender in a low position;

5 (c) adding at least one ingredient to the blender;

(d) closing the blender;

(e) agitating the at least one ingredient to form a product;

(f) lifting the blender; and

10 (g) recovering the product.

11. The method of Claim 10 being performed in a sequence as listed.

12. The method of Claim 10 being performed in an altered sequence.

13. The method of Claim 12 wherein the altered sequence comprises:

- (a) providing a blender mounted in a lifting assembly;
- (b) positioning the blender in a low position;
- (c) adding at least one ingredient to the blender;
- (d) closing the blender;
- (e) lifting the blender;
- (f) agitating the at least one ingredient to form a

product; and

- (g) recovering the product.

14. The method of Claim 13 wherein the at least one ingredient is at least two ingredients.

15. The method of Claim 10 wherein the at least one ingredient is at least two ingredients.

16. The method of Claim 15 wherein recovering the product is accomplished by discharging the product into a container.

17. The method of Claim 16 wherein the process further comprises:

- (a) lowering the blender to add the at two ingredients;
- and
- (b) raising the blender to recover the product.

18. A variable height and multiple position batch blender assembly comprising:

(a) a batch blender being movably mounted within a hydraulic lifting assembly;

5 (b) the batch blender having a cover and a receiver; and

(c) the batch blender having a filling means and a discharge means;

(d) the batch blender being placed in a low position for filling purposes;

10 (e) the batch blender being placed in a high position for discharge purposes;

(f) the lifting assembly supporting the batch blender;

(g) the batch blender having an agitating means mounted in the receiver;

15 (h) the agitator having at least one tool secured thereto; and

(i) the receiver having a discharge mechanism mounted therein.

19. The blender assembly of Claim 18 further comprising:

(a) the cover closing the receiver;

(b) the cover being releasable in order to fill the receiver;

5 (c) the lifting assembly supporting the receiver;

(d) the discharge means being closeable for filling the receiver;

(e) the cover being sealable in relation to the receiver in order to close the receiver;

10 (f) the lifting assembly supporting the receiver;

(g) the discharge means being positioned in a bottom portion of the receiver;

(h) the cover closing a top portion of the receiver; and

15 (i) the agitating having at least one mixing tool releasably secured thereto.

20. The blender assembly of Claim 19 further comprising:

(a) the lifting assembly including a first side arm and  
a second side arm;

5 (b) the first side arm supporting the receiver at a  
first receiver side;

(c) the second side arm supporting the receiver at a  
second receiver side;

(d) a top cross member supporting the first side arm  
relative to the second side arm

10 (e) the lifting assembly including a first lifting  
assembly mounted in the first side arm;

(f) the lifting assembly including a second lifting  
assembly mounted in the second side arm;

15 (g) the first lifting assembly being secured to the  
first receiver side;

(h) the second lifting assembly being secured to the  
second receiver side; and

20 (h) the first lifting assembly cooperating with the  
second lifting assembly in order to raise or lower the blender  
as desired.